



ABSTRACT OF THE DISCLOSURE

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A direct current sum bandgap voltage comparator for detecting voltage changes in a power supply. The direct current sum bandgap voltage comparator includes a summing node, current sources, and an indicator circuit. The current sources are connected to the summing node and each current source supplies a current to the summing node. The current sources also are connected to a power supply voltage, wherein the current at the summing node is equal to zero when the power supply voltage is equal to or greater than a reference voltage. The indicator circuit has an input connected to the summing node and generates a logical signal at an output that is responsive to changes in the summing node.